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01/18/02

**UTILITY PATENT APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	1089.0350001/DKSC/TUM
First Inventor or Application Identifier	QIU et al.
Title	<b>A Piezoelectric Element and Method of Manufacturing Same (as amended)</b>
Express Mail Label No.	

J11046 U.S. PRO 01/18/02

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1.  \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Specification [Total Pages 53]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to Microfiche Appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
a.  Computer Readable Copy  
b.  Paper Copy (identical to computer copy)  
c.  Statement verifying identity of above copies

3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 15]4.  Oath or Declaration [Total Pages 6]

- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)  
[Note Box 5 below]

I.  **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therem**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
9.  37 CFR 3 73(b) Statement  Power of Attorney  
(when there is an assignee)
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  \*Small Entity Statement(s)  Statement filed in prior application, Status still proper and desired  
(PTO/SB/09-12)
15.  Certified Copy of Priority Document(s)  
(If foreign priority is claimed)
16.  Other: 37 C F R § 1 136(a)(3) Authorization  
 Other Request to Approve Proposed Drawing Correction

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C F R § 1 27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C F R § 1 28)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation     Divisional     Continuation-in-Part (CIP) of prior application No: 09/534,573Prior application information: Examiner C. Koslow Group/Art Unit: 1755**18. CORRESPONDENCE ADDRESS** Customer Number  
or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. Attorneys at Law				
ADDRESS	Suite 600, 1100 New York Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20005-3934
COUNTRY	USA	TELEPHONE	(202) 371-2600		FAX (202) 371-2540

NAME (Print/Type)	Teresa U. Medler	Registration No. (Attorney/Agent)	44,933
SIGNATURE		Date	1/18/02

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	(\$740.00)	Attorney Docket No.	1089.0350001/DKSC/TUM
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## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number	19-0036
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.

Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

Applicant claims small entity status  
See 37 CFR 1.27

2.  Payment Enclosed

Check  Credit card  Money Order  Other\*

\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No 19-0036

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101	740	201 Utility filing fee	\$740.00
106	330	206 Design filing fee	
107	510	207 Plant filing fee	
108	740	208 Reissue filing fee	
114	160	214 Provisional filing fee	

SUBTOTAL (1) (\$740.00)

## 2. EXTRA CLAIM FEES

Extra	Fee from below	Fee Paid
Total Claims 10	- 20** = 0	X = 0
Indep. Claims 3	- 3** = 0	X = 0
Multiple Dependent		=
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	84	202 42 Independent claims in excess of 3
104	280	204 140 Multiple dependent claim
108	84	209 42 **Reissue independent claims over original patent
110	18	210 9 **Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

\*\* or number previously paid, if greater. For Reissues, see above

Complete if Known								
Application Number		To Be Assigned						
Filing Date		January 18, 2002						
First Named Inventor		Qiu						
Examiner Name		To Be Assigned						
Group Art Unit		To Be Assigned						
Attorney Docket No.		1089.0350001/DKSC/TUM						
3. ADDITIONAL FEES	Large Entity	Small Entity						
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		Fee paid		
105	130	205	65	Surcharge - late filing fee or oath				
127	50	227	25	Surcharge - late provisional filing fee or cover sheet				
139	130	139	130	Non-English specification				
147	2,520	147	2,520	For filing a request for ex parte reexamination				
112	920*	112	920*	Requesting publication of SIR prior to Examiner action				
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action				
115	110	215	55	Extension for reply within first month				
116	400	216	200	Extension for reply within second month				
117	920	217	460	Extension for reply within third month				
118	1,440	218	720	Extension for reply within fourth month				
128	1,960	228	980	Extension for reply within fifth month				
119	320	219	160	Notice of Appeal				
120	320	220	160	Filing a brief in support of an appeal				
121	280	221	140	Request for oral hearing				
138	1,510	138	1,510	Petition to institute a public use proceeding				
140	110	240	55	Petition to revive - unavoidable				
141	1,280	241	640	Petition to revive - unintentional				
142	1,280	242	640	Utility issue fee (or reissue)				
143	460	243	230	Design issue fee				
144	620	244	310	Plant issue fee				
122	130	122	130	Petitions to the Commissioner				
123	130	123	130	Petitions related to provisional applications				
126	180	126	180	Submission of Information Disclosure Stmt				
581	40	481	40	Recording each patent assignment per property (times number of properties)				
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))				
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))				
179	740	279	370	Request for Continued Examination (RCE)				
169	900	169	900	Request for expedited examination of a design application				
Other fee (specify)								
Other fee (specify)								
*Reduced by Basic Filing Fee Paid								
SUBTOTAL (3) (\$0)								

SUBMITTED BY					
Name (Print/Type)	Teresa U Medler		Registration No. (Attorney/Agent)	44,933	Telephone
Signature			Date	1/18/02	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
SKGF Rev. 10/01/01 mnac

01/18/02  
JC698 U.S. PTO

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01/18/02

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\*LIMITED TO MATTERS  
AND PROCEEDINGS BEFORE  
FEDERAL COURTS & AGENCIES  
\*\*REGISTERED PATENT AGENT  
\*\*\*SENIOR COUNSEL

January 18, 2002

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Commissioner for Patents  
Washington, D.C. 20231

*Box Patent Application*

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. To Be Assigned; Filed: January 18, 2002  
(Divisional of U.S. Appl. No. 09/534,573; Filed: March 27, 2000)  
For: **A Piezoelectric Element and Method of Manufacturing Same (as amended)**  
Inventors: QIU *et al.*  
Our Ref: 1089.0350001/DKSC/TUM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Fee Transmittal Form (PTO/SB/17) (in duplicate);
2. USPTO Utility Patent Application Transmittal Form PTO/SB/05;
3. U.S. Utility Patent Application entitled:

Method for Manufacturing Piezoelectric Material  
and naming as inventors:

Hong QIU  
Koji SUMI

Commissioner for Patents  
January 18, 2002  
Page 2

Tsutomu NISHIWAKI  
Masanori OKUYAMA  
Zhiqiang WEI

the application comprising:

- a. specification containing:
    - i. 44 pages of description prior to the claims;
    - ii. 8 pages of claims (29 claims);
    - iii. a one (1) page abstract;
  - b. 15 sheets of drawings: (Figures 1, 2, 3(A)-3(E), 4-15); and
  - c. a copy of the executed combined Declaration and Power of Attorney, as originally filed in U.S. Appl. No. 09/534,573;
- 4. Application Data Sheet;
  - 5. Preliminary Amendment;
  - 6. Request to Approve Proposed Drawing Correction with a copy of FIG.3 with proposed corrections marked in red;
  - 7. Information Disclosure Statement (in duplicate);
  - 8. Form PTO-1449 (one sheet);
  - 9. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (in duplicate);
  - 10. Two (2) return postcards; and
  - 11. Our check no. 33882 to cover: \$740.00 filing fee for patent application (37 C.F.R. § 1.16).

Commissioner for Patents  
January 18, 2002  
Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Teresa U. Medler  
Attorney for Applicants  
Registration No. 44,933

DKSC/TUM:hmb

Enclosures

P:\USERS\HBEALE\TUM\1089\0350001\1-9-01 pto ltr  
SKGF Rec. 3/7/00 dcw